

## Fund Information

### Portfolio Managers

Niall Paul | Robert James | Diego Mauro

### Target Return

3% outperformance per annum on a three-year rolling basis

### Expected Capacity

USD 6bn + USD 1bn for existing clients

### Comparative Benchmark

MSCI Emerging Markets Index

### Typical Tracking Error

4-7%

### Fund Inception

March-2011

### Assets under management

Fund: USD 551,609,697

Strategy: USD 4,400,846,940

## Fund Performance

Past performance does not predict future returns

	Fund Gross	Fund Net	MSCI EM	Gross Rel.	Net Rel.
December	-1.5	1.5	-1.4	-0.1	-0.2
Q4	8.5	8.2	9.8	-1.2	-1.4
2022	-25.7	-26.5	-19.7	-7.5	-8.4
1 Year	-25.7	-26.5	-19.7	-7.5	-8.4
3 Year	-3.8	-4.7	-2.3	-1.5	-2.5
5 Year	-1.8	-2.8	-1.0	-0.8	-1.8
10 Year	4.6	3.4	1.8	2.7	1.5
Incep.	3.7	2.4	1.3	2.3	1.1

3, 5, 10 year and Incep. returns are annualised.

Fund Value (USD mil) 552

Inception 30/03/11

The following information is in addition to, and should be read only in conjunction with, the performance data presented above.

	Fund Gross	Fund Net	MSCI EM	Rel.	Net Rel.
2022	-25.7	-26.5	-19.7	-7.5	-8.4
2021	-0.5	-1.5	-2.2	1.8	0.8
2020	20.5	19.3	18.7	1.5	0.5
2019	25.7	24.5	18.9	5.8	4.7
2018	-18.3	-19.2	-14.2	-4.8	-5.8
2017	46.4	44.9	37.8	6.3	5.2
2016	19.6	18.3	11.6	7.2	6.0
2015	-9.8	-11.0	-14.6	5.6	4.2
2014	0.1	-1.4	-1.8	1.9	0.4
2013	8.0	6.4	-2.3	10.5	8.9

## Q4 2022 Attribution

Country Allocation	-0.2
Security Selection	-0.6
Currency Effect	-0.4
<b>Management Effect</b>	<b>-1.2</b>

EM equities rallied from oversold levels in Q4. Chinese stocks were particularly strong as the government pivoted away from its zero-covid policy. The fund saw a positive absolute return, underperforming its benchmark.

## Performance

The fund finished behind its benchmark, with outperformance in India and Indonesia more than offset by underperformance in China.

## Market Background

EM equities rallied as China pivoted away from its economically disastrous zero-covid policy.

## Outlook

We expect a year of two halves in 2023, with market behaviour largely determined by the policy path of the US Fed, which in turn will be driven by inflation dynamics. The main factor driving higher inflation has arguably been the energy crisis. However, there is growing evidence that this will not be as problematic as many feared. At one stage there were concerns about an absolute shortage of gas in Europe this winter. In reality we have storage near record highs for this time of year, partly due to exceptionally mild weather thus far. Gas prices are therefore falling very rapidly, and power prices should follow. Prices of many other commodities such as oil and wheat are also dropping. While this should eventually ease the pressure on Fed, wage growth appears to be stubbornly high, which will make it difficult for the US central bank to cut rates for some time, as it would almost certainly be a grave policy error if it began to ease before the problem of inflation is defeated unequivocally. In our view, markets have got ahead of themselves in pricing a Fed policy pivot, and we therefore expect dollar strength to reassert itself over the next few months, as well as further equity market volatility. This is particularly the case as PMIs and other leading economic indicators are still contracting. Typically, equities do not begin to rally sustainably until such metrics have troughed and are beginning to rebound.

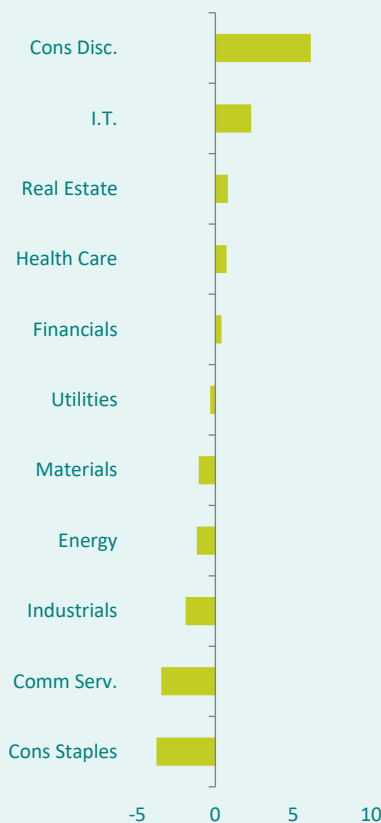
Whilst we remain cautious on the outlook for the next few months, we are very constructive on the setup for EM equities in the medium term. Once the Fed pivots and PMIs trough, we should be in a situation where the dollar is weakening sequentially, EM equities trade at an anomalous discount to their DM counterparts, and EM economic growth looks increasingly attractive compared to the developed world, particularly as EM central banks have huge scope to cut rates once the Fed pivots, boosting growth further. This is true of Brazil, South Africa, Mexico and many other countries. Moreover, EM equities should receive another boost from ongoing positive developments in the largest market, China. If we rewind to early 2022, Shanghai was locked down, geopolitical tensions were flaring up after Putin's invasion of Ukraine, and there was a serious prospect of US-listed Chinese stocks being de-listed. Meanwhile, the Chinese property market was in crisis, and equity markets were at significantly higher levels than they are now. Fast-forward to the present day, and China is now pivoting away from its economically ruinous zero-covid policy, albeit with a somewhat chaotic reopening that will sadly lead to significant mortality rates. Sino-US geopolitical tensions have improved slightly, with Presidents Xi and Biden holding a three-hour meeting at the G20. In other positive news, the US-based Public Company Accounting Oversight Board announced that it had received all the necessary information to prevent a forced de-listing of US-listed Chinese companies in the near term. At the same time, the real estate sector is now being underpinned by the government, with 'extend and pretend' on leverage likely to postpone a systemic crisis. And Chinese equities, despite their recent rally, are trading at a significant discount to other major markets. Given the developments outlined above, we are overweight China, and have increased our exposure in recent weeks as we expect China to continue outperforming in the near term. However, our optimism and positive positioning are tempered by the fact that many of the long-term issues have not been addressed. The governance model has seen power increasingly concentrated in the hands of one man, making policy direction unpredictable, while demographics continue to deteriorate and leverage remains extremely high.

From a thematic perspective, many of our key positions reflect our view that rates will remain higher for longer, partly due to stubborn wage inflation. For example, in I.T. we are overweight names such as Samsung and TSMC, which are very lowly rated relative to their historical multiples, and already appear to be pricing in a recession. By contrast, we are largely eschewing 'long duration' Tech companies with no earnings as we believe that they will continue to face headwinds in a world where rates remain elevated. We have also been adding marginally to Financials as they should continue to benefit from higher net interest margins and relative stability in asset quality. Meanwhile in China we are exposed to businesses that should gain from reopening, including both the lowly rated internet and ecommerce platforms, as well as more direct beneficiaries. Finally, although we are still committed to the environmental thematic, where policy tailwinds remain, we are conscious of over-ownership and the investment universe being crowded. Where we have exposure in these areas, it is where we see good momentum behind earnings, rather than simply because they should see further government support. Examples include solar companies, where falling polysilicon prices should boost margins materially, as well as EV battery components.

**Country relative to Index %**



**Sectors relative to Index %**



**Portfolio Positioning**

Over the quarter we bought Chinese e-commerce platform JD.com, whose core business was trading on less than 4x earnings when we initiated the position. It has improved profitability significantly over the past few years and is growing strongly. Another purchase was Chinese wind turbine manufacturer Ming Yang. We believe that wind installations next year will exceed market expectations, and find the valuation to be attractive. Elsewhere in China we bought Anhui Conch Cement, which should benefit from reopening and a general normalisation in the country. Another addition was Chinese solar inverter company Sungrow as we expect polysilicon prices to continue falling, making solar more competitive and leading to stronger demand for Sungrow's products. Longi was sold to fund this transaction as we see less upside there. The final noteworthy purchase in China was leading dairy brand Yili, which is taking significant market share and should benefit from higher demand due to economic reopening, while lower input costs should improve margins. Sales in China generally reflected waning momentum and over-ownership in some of the environmental names. For example, we sold smart grid company Nari as we felt it was becoming catalyst-light and was within 10% of our price target.

In Korea we bought Samsung Biologics, which predominately manufactures biologic and biosimilar drugs. In many ways, the growth trends that we are seeing in biologics closely resemble those that have been witnessed in the semiconductor industry. We believe Samsung Biologics is well placed to capture this opportunity, particularly from businesses that are looking to diversify their manufacturing exposure away from China to countries such as Korea, where Samsung has three existing plants, a fourth that is ramping up, and is in talks to add two more. The company is winning incrementally more orders on better terms, thereby boosting its margins.

In India we bought PVR as we are very positive on its merger with INOX, the country's second-largest multi-screen cinema operator. We believe PVR manages its cinemas better than INOX, as evidenced by higher occupancy rates, greater sales of food and beverage, and more revenue from advertising. If PVR can apply its operational excellence to INOX and gain synergies from the joint operations then the merger should be significantly accretive to earnings. From a valuation perspective we also see substantial upside.

By contrast, we capitalised on the very strong performance of Indian banks last year by taking some profits in HDFC Bank. Most Indian banks are approaching P/B multiple highs.

In LatAm we purchased Brazil-based Hapvida, a fully integrated healthcare provider with its own hospitals. After merging with another healthcare company, it has significant scope to extract synergies from the deal, and to improve growth and profitability. We also bought Lojas Renner, a high-quality clothing retailer trading on trough earnings multiples. Conversely, we took profits in Sendas, Vale and Petrobras in Brazil. The latter is now more likely to use its balance sheet to invest in renewables projects with poor returns. Indeed, the company has a history of overspending on projects with limited returns when the Workers' Party is in power.

In MENA we bought Americana, the largest restaurant franchise operator in the region. It is restructuring by closing down inefficient restaurants and targeting an EBITDA improvement of 300bps over the next couple of years. We see it as an exciting compounder.

**Stocks**

Below we highlight a major winner and a major loser:

**360 Digitech**

360 Digitech is a non-banking financial in China that we have been constructive on for multiple years. It sold off heavily during the first three quarters of 2022, partly due to concerns over the longevity of its US ADR listing. However, the shares performed well in Q4 after the PCAOB announced that it had received all the necessary information to prevent a forced delisting of US-listed Chinese companies. In any case, 360 Digitech recently successfully completed a dual listing in Hong Kong. Its Q3 results also demonstrated an improvement in asset quality and resilient loan growth, which investors were concerned about, given the performance of the underlying economy. We believe 360 is well positioned to benefit from a return of risk appetite in China. The Chinese financial sector as a whole is mostly state owned. This non-banking financial is far more retail focussed and is not linked to the real estate sector. In our view it is therefore a much cleaner way of playing a consumer recovery in China than any of the larger banks.

**Eletrobras**

Eletrobras is a Brazilian electric utilities company that has recently been privatised and now has a good opportunity to pursue reforms to improve historically low returns. Unsurprisingly, as a long-duration utility company, Eletrobras struggled against a backdrop of rising yields in Brazil. Such rises were prompted by the left-leaning tone of President Lula's first speech and the announcement of a Workers' Party politician as Minister of Finance. The market was starting to price interest rate cuts before the elections, but with the prospect of Lula trying to increase social spending, investors began to price in rate rises as a way to moderate fiscal policy. We believe the market has become too extreme in pricing further rate increases when SELIC is over 13% while inflation is around 6%. Sentiment appears overly depressed and the currency looks attractively valued. We are seeking to maintain exposure to domestic stocks that can benefit from potential currency appreciation, whilst cutting exposure to exporters.

## Performance Attribution Q4 2022

On this page we identify where your portfolio added or subtracted value, relative to the benchmark.

### Country Selection (%)

Country	Country Allocation	Security Selection	Currency Effect	Management Effect
<b>Total Portfolio</b>	<b>-0.2</b>	<b>-0.6</b>	<b>-0.4</b>	<b>-1.2</b>
Equity	-0.1	-0.6	-0.1	-0.7
Top/Bottom 5 EM Countries	0.2	-0.9	-0.1	-0.8
India	-0.1	0.6	0.1	0.6
Indonesia	0.1	0.0	0.1	0.2
Slovenia	0.1	0.0	0.0	0.2
Saudi Arabia	0.3	-0.2	0.0	0.2
Taiwan	0.0	0.1	0.0	0.2
Poland	-0.1	0.0	-0.1	-0.2
Turkey	-0.2	0.0	0.0	-0.2
Brazil	0.0	-0.2	0.0	-0.3
Argentina	0.3	-0.3	-0.3	-0.3
China	-0.2	-1.0	0.0	-1.2
Rest of World	-0.2	0.3	0.0	0.1
Non Equity	-0.2	0.0	-0.3	-0.5
Foreign Exchange	0.0	0.0	-0.2	-0.2
Cash	-0.2	0.0	-0.1	-0.2

### Highlights

- The fund finished behind its benchmark, with outperformance in India and Indonesia more than offset by underperformance in China.
- HDFC Bank and Axis Bank were key winners. Results in the Indian Financials space have generally been strong, with significant improvements in net interest margins.
- 360 Digitech bounced from heavily oversold levels as it is a beneficiary of Chinese reopening. 360 is an unsecured lender that should see a decline in non-performing loans and a reacceleration in growth as China's economy opens up.
- The fund was hurt by its exposure to Chinese internet companies, which struggled at the beginning of the period, and also lagged in the subsequent rally, which was led by property and reopening stocks. Thankfully the market rally has begun to broaden out at the start of 2023.
- Eletrobras and several other Brazilian names were among the biggest detractors as investor concerns grew over the direction of economic policy following Lula's victory.

### Sector Selection (%)

Sector	Sector Allocation	Security Selection	Currency Effect	Management Effect
<b>Total Portfolio</b>	<b>-0.9</b>	<b>0.1</b>	<b>-0.4</b>	<b>-1.2</b>
Equities	-0.7	0.1	-0.1	-0.7
Financials	0.0	2.1	0.1	2.2
Consumer Discretionary	0.3	0.5	0.0	0.8
Energy	0.0	0.3	0.1	0.4
Materials	-0.1	0.1	-0.1	-0.1
Consumer Staples	0.1	-0.4	0.1	-0.2
Utilities	0.0	-0.3	0.0	-0.3
Real Estate	0.0	-0.3	-0.1	-0.3
Communication Services	-0.2	-0.2	-0.1	-0.5
Information Technology	0.0	-0.6	0.1	-0.5
ETF	-0.6	0.0	0.0	-0.6
Industrials	-0.1	-0.4	-0.2	-0.6
Health Care	-0.1	-0.8	0.0	-0.9
Non Equity	-0.2	0.0	-0.3	-0.5
Foreign Exchange	0.0	0.0	-0.2	-0.2
Cash	-0.2	0.0	-0.1	-0.2

### Highlights

- At the sector level, outperformance in Financials was overshadowed by underperformance in Healthcare, Industrials, I.T. and Communication Services.
- KB Financial performed well as Korean banks are broadly benefitting from net interest margin expansion. KB also announced that it was looking to return capital to shareholders by increasing its dividend payout ratio, as well as buying back and cancelling shares.
- I.T. services company Globant struggled as investors became concerned about falling demand amid a weaker global economy. We believe these fears are overdone as Globant is now trading near its covid lows of 2020. Looking back at 2008 and post-covid, I.T. services spending growth during those devastating periods only fell -3% per annum, compared to typical growth in a normal macro backdrop of +3-4%. Even in an environment where companies are cutting costs and headcount, efficiency drives often involve spending on technology. Thus, we see limited downside from here and believe that the risks are more than discounted in the current share price.

### Stock Selection (%)

	Stock	Country	Sector	Management Effect (%)	TT Held
Top Contributors	360 Digitech	China	Financials	1.10	√
	KB Financial Group	Korea	Financials	0.43	√
	JD.com Inc	China	Consumer Discretionary	0.31	√
	Richemont	Pan EM	Consumer Discretionary	0.22	√
	Sungrow Power Supply	China	Industrials	0.22	√
Top Detractors	KraneShares	China	ETF	-0.55	√
	Tencent	China	Communication Services	-0.38	√
	Wuliangye Yibin	China	Consumer Staples	-0.34	√
	Globant	Argentina	Information Technology	-0.28	√
	Eletrobras	Brazil	Utilities	-0.27	√

Portfolio Breakdown (%)

	TT GEMS		MSCI EM
	30 Sep	31 Dec	31 Dec
	Czech Republic		
Egypt			0.1
Greece			0.3
Hungary			0.2
Kuwait			0.9
Poland	0.5	0.5	0.7
Qatar	1.5	0.8	1.0
Saudi Arabia	3.6	2.7	4.1
Slovenia	0.8	0.8	
South Africa	1.2	2.7	3.7
Turkey			0.7
UAE	2.1	2.7	1.3
EMEA	9.7	10.3	13.2
China	34.0	35.6	32.3
India	12.4	13.1	14.4
Indonesia	1.3	0.4	1.9
Korea	10.0	12.4	11.3
Malaysia			1.6
Philippines			0.7
Taiwan	10.5	9.8	13.8
Thailand			2.2
Emerging Asia	68.3	71.3	78.3
Argentina	0.8	1.5	
Brazil	5.6	6.4	5.3
Chile	2.9	2.0	0.6
Colombia			0.1
Mexico	3.6	3.6	2.3
Peru			0.3
Latin America	12.9	13.6	8.5
Pan EM	2.4	3.4	0.0
Cash	6.8	1.4	
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Sector Allocation (%)

	TT GEMS		MSCI EM
	30 Sep	31 Dec	31 Dec
	Communication Services	5.9	6.4
Consumer Discretionary	10.5	20.2	14.1
Consumer Staples	4.5	2.7	6.4
Energy	8.5	3.7	4.9
ETF	3.1		
Financials	22.2	22.5	22.1
Health Care	2.7	4.8	4.1
Industrials	3.9	4.1	6.1
Information Technology	18.6	20.9	18.6
Materials	5.3	7.8	8.9
Real Estate	2.7	2.7	1.9
Utilities	5.3	2.7	3.0
Cash	6.8	1.4	
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Top 10 Stocks

September 30, 2022			December 31, 2022		
Security	Country	Weight %	Security	Country	Weight %
TSMC	Taiwan	8.8	TSMC	Taiwan	8.5
Alibaba Group	China	6.4	Alibaba Group	China	6.6
HDFC Bank	India	4.2	Samsung Electronics	Korea	6.0
Tencent	China	4.0	360 Digitech	China	3.4
Samsung Electronics	Korea	3.8	Tencent	China	3.3
KraneShares	China	3.1	KB Financial Group	Korea	2.8
Barrick Gold	Chile	2.9	EMAAR Properties	UAE	2.7
China Three Gorges New Energy	China	2.3	HDFC Bank	India	2.7
KB Financial Group	Korea	2.3	JD.com Inc	China	2.5
Banorte	Mexico	2.2	Axis Bank	India	2.3
Top 10 Positions		40.1	Top 10 Positions		40.7
Top 20 Positions		59.1	Top 20 Positions		59.2
No. of stocks		61	No. of stocks		62

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**Additional Fund Performance Information:**

Fund 12-Month Discrete Periods (%)					
	Jan 22 - Dec 22	Jan 21 - Dec 21	Jan 20 - Dec 20	Jan 19 - Dec 19	Jan 18 - Dec 18
Gross of fees	-25.7	-0.5	20.5	25.7	-18.3
Net of fees	-26.5	-1.5	19.3	24.5	-19.2
Index	-19.7	-2.2	18.7	18.9	-14.2
Relative (gross)	-7.4	1.8	1.5	5.8	-4.8
Relative (net)	-8.4	0.8	0.5	4.7	-5.8

**Important Information:**

**Shareholder Rights**

A Prospectus is available for the Fund and Key Investor Information Documents (KIIDs) are available for each share class of each the sub-funds of the Fund.

The Fund's Prospectus can be obtained from [www.ttint.com/fund-documentation/](http://www.ttint.com/fund-documentation/) and is available in English.

The KIIDs can be obtained from [www.ttint.com/fund-documentation](http://www.ttint.com/fund-documentation) and are available in one of the official languages of each of the EU Member States into which each sub-fund has been notified for marketing under the Directive 2009/65/EC (the UCITS Directive).

In addition, a summary of investor rights is available from [www.ttint.com/fund-documentation](http://www.ttint.com/fund-documentation). The summary is available in English.

The sub-funds of the Fund are currently notified for marketing into a number of EU Member States under the UCITS Directive. The Fund can terminate such notifications for any share class and/or sub-fund of the Fund at any time using the process contained in Article 93a of the UCITS Directive.

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Switzerland: Prospectus, Key Investor Information Documents, Articles of Association, annual and semi-annual reports of the Fund may be obtained free of charge from the Swiss Representative (First Independent Fund Services AG, Klausstrasse 33, 8008 Zurich) and Paying Agent (NPB New Private Bank Ltd, Limmatquai 1, CH-8024 Zurich).

**Additional risks**

**FDI Risk:** FDI may fluctuate in value rapidly and leverage through FDI may cause losses that are greater than the original amount paid for the relevant FDI.

**Operational Risk:** human error, system and/process failures, inadequate procedures or control may cause losses to the Fund.

**Liquidity Risk:** the Fund may have difficulty buying or selling certain securities readily which may have a financial impact on the Fund.

**Credit/Counterparty Risk:** a party with whom the Fund contracts for securities may fail to meet its obligations (e.g. fail to pay principal or interest or to settle an FDI) or become bankrupt, which may expose the Fund to a financial loss.

For more information on these and other risk factors that apply to the Fund, see the section entitled "Risk Factors" in the Prospectus.